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Datasheet for ABIN7147237

anti-CDK5RAP3 antibody (Regulatory Subunit) (HRP)

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | CDK5RAP3 |
| Binding Specificity: | AA 42-292, Regulatory Subunit |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CDK5RAP3 antibody is conjugated to HRP |
| Application: | ELISA |

Product Details

| | |
|-------------------|---|
| Immunogen: | Recombinant Human CDK5 regulatory subunit-associated protein 3 protein (42-292AA) |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | Antigen Affinity Purified |

Target Details

| | |
|-------------------|---|
| Target: | CDK5RAP3 |
| Alternative Name: | CDK5RAP3 (CDK5RAP3 Products) |
| Background: | Background: Probable tumor suppressor initially identified as a CDK5R1 interactor controlling cell proliferation (PubMed:12054757, PubMed:12737517). Negatively regulates NF-kappa-B- |

Target Details

mediated gene transcription through the control of RELA phosphorylation (PubMed:17785205, PubMed:20228063). Also regulates mitotic G2/M transition checkpoint and mitotic G2 DNA damage checkpoint (PubMed:15790566, PubMed:19223857). Through its interaction with CDKN2A/ARF and MDM2 may induce MDM2-dependent p53/TP53 ubiquitination, stabilization and activation in the nucleus, thereby promoting G1 cell cycle arrest and inhibition of cell proliferation (PubMed:16173922). May play a role in the unfolded protein response, mediating the ufmylation of multiple proteins in response to endoplasmic reticulum stress (PubMed:23152784). May also play a role in the rupture of the nuclear envelope during apoptosis (PubMed:23478299). May regulate MAPK14 activity by regulating its dephosphorylation by PPM1D/WIP1 (PubMed:21283629).

Aliases: C53 antibody, CDK5 activator binding protein C53 antibody, CDK5 activator-binding protein C53 antibody, CDK5 regulatory subunit associated protein 3 antibody, CDK5 regulatory subunit-associated protein 3 antibody, Cdk5rap3 antibody, CK5P3_HUMAN antibody, HSF 27 antibody, HSF27 antibody, IC53 antibody, Ischemic heart CDK5 activator binding protein C53 antibody, LXXLL/leucine zipper containing ARFbinding protein antibody, LZAP antibody, MST016 antibody, OK/SW cl.114 antibody, PP1553 antibody, Protein HSF-27 antibody

UniProt: [Q96JB5](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.